

basis of the area.

(a)
2. (Amended) An inspection system of a terminal metal fitting having a wire connecting portion having a wall carrying an electric wire and a crimping piece bent toward the wall so as to fasten the electric wire between the crimping piece and the wall, comprising:

a light source to illuminate the wire connecting portion;
an image-taking means to take an image of the wire connecting portion;
a dark box, with a dark inner surface, to cover at least an object side of the image-taking means, the light source, and the terminal metal fitting for preventing outer light from shining on the wire connecting portion; and

a judging means to binary-process an image of the wire connecting portion being illuminated by the light source and judge whether good or bad as to a fastening condition of the electric wire by the crimping piece on a basis of an area being less than or not less than a threshold value in image information obtained by the binary processing,

wherein the image-taking means and the light source are arranged so that the light thrown from the light source and reflected by the crimping piece does not enter the image-taking means, and
a sheathing portion of the electric wire is a light color.

(a)
5. (Amended) An inspection system of a terminal metal fitting having a wire connecting portion having a wall carrying an electric wire and a crimping piece bent toward the wall so as to fasten the electric wire between the crimping piece and the wall, comprising:

a light source to illuminate the wire connecting portion;

an image-taking means to take an image of the wire connecting portion;

a judging means to binary-process an image of the wire connecting portion illuminated by the light source and judge good or bad of a fastening condition of the electric wire by the crimping piece on a basis of an area being less than or not less than a threshold value in image information obtained by the binary processing,

wherein the image-taking means and the light source are arranged so that the light thrown from the light source and reflected by the crimping piece enters the image-taking means.

7. (Amended) The inspection system of the terminal metal fitting as set forth in any one of claims 2-6, wherein the judging means judges whether good or bad as to a fastening condition of the electric wire on a basis of an area being less than or not less than a threshold value in an inspection area in the image of the wire connecting portion taken by the image-taking means, the inspection area being provided for each crimping piece and including at least partial image of the crimping piece.